

**Polypropylene fabric finishing to improve properties**  
**Patent Assignee: MITR; MITSUBISHI RAYON CO LTD**

**Patent Family**

| Patent Number | Kind | Date | Application Number | Kind | Date | Week   | Type |
|---------------|------|------|--------------------|------|------|--------|------|
| JP 69029554   | B    |      |                    |      |      | 196800 | B    |

**Priority Applications (Number Kind Date):** JP 6681914 A ( 19661214)

**Abstract:**

JP 69029554 B

Polypropylene is mixed with 1-30% of mixture of 25-5% polyethylene and 75-95% low mol. wt. n-paraffin, spun and fabric produced, and treated with treating agent after drying at > 130 deg.C but < melting pt. of polypropylene.

Can be used to improve colouring, flame-resistance, anti-static properties, crease-resistance, abrasion-resistance, anti-oxidn., softening, etc. and wash-resistant finish is obtd.

Suitable polyethylene has mol. wt. 12,000-120,000 and sp. gr. > 0.92 (obtd. by low, intermediate or high pressure process)

Suitable n-paraffin is paraffin, crystalline wax wax or polyethylene of average mol. wt. 500-3000.

Treating agent may be dye, pigment, size, water-proofing agent, flame-proofing agent, U. V. absorber, anti-oxidant, antistat, softener, etc.

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**Compsn. for restriction in a vibration-damping sheet - comprises petroleum resin, inorganic filler plasticiser and atactic polypropylene**  
**Patent Assignee: TOYODA GOSEI KK**

**Patent Family**

| Patent Number | Kind | Date     | Application Number | Kind | Date     | Week   | Type |
|---------------|------|----------|--------------------|------|----------|--------|------|
| JP 60112439   | A    | 19850618 | JP 83222721        | A    | 19831125 | 198530 | B    |
| JP 88033788   | B    | 19880706 |                    |      |          | 198830 |      |

**Priority Applications (Number Kind Date): JP 83222721 A ( 19831125)**

**Patent Details**

| Patent      | Kind | Language | Page | Main IPC | Filing Notes |
|-------------|------|----------|------|----------|--------------|
| JP 60112439 | A    |          | 4    |          |              |

**Abstract:**

JP 60112439 A

Compsn. for a restriction layer in a vibration-damping sheet comprises (I) petroleum resin, (II) inorganic filler, (III) plasticiser, and (IV) atactic polypropylene (its mol. wt. Mn is 300-20000) modified with ethylene unsatd. carboxylic acid (which may be anhydride) and/or the derivs. of the modified atactic polypropylene (PP), the modified atactic PP or its derivs. being 1.5-35 wt. parts per 100 wt. parts of the petroleum resin.

The petroleum resin is e.g. synthetic polyterpene, aliphatic, aromatic, alicyclic one, having a softening temp. of 60-130 deg.. The ethylene unsatd. carboxylic acid is e.g. (meth)acrylic acid, maleic acid, fumaric acid, itaconic acid, maleic anhydride; ester, imide, amide, or metallic salt of these acids. The inorganic filler is e.g. silicate compound (e.g. talc, milled glass, glass flake), CuCO<sub>3</sub> Bu SO<sub>4</sub> in the form of powder, flake, granule, fibre. The plasticiser is e.g. natural oil, alkyd resin.

**USE/ADVANTAGE** - The restriction layer has splendid vibration-damping properties and impact resistance as well as fluidity enough to be easily applied onto e.g. metal floor of automobiles.

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